Peraton

DATA CENTER MODERNIZATION: THE DEPARTMENT OF HOMELAND SECURITY (DHS)

AWS cloud migration readiness assessments and planning services.

In support of the DHS mission to accelerate modernization and migration to cloud, Peraton is partnering with Amazon Web Services (AWS) Professional Services to deliver best of breed services to ensure the successful transformation of DHS to a Hybrid IT ecosystem.

Peraton can enable DHS business and program units to accomplish their mission objectives by supporting the migration, transformation, and modernization of their operations to a hybrid cloud environment.

Two leading engagements that the team is delivering are AWS Cloud Migration Readiness Assessments (MRA) and Migration Readiness and Planning (MRP) services.

AWS MIGRATION READINESS ASSESSMENT (MRA)

During the MRA, our team will review and assess your migration goals and your current state of readiness for a specific scope of migrations to AWS. The outcome will be a data-driven readiness assessment and proposed outline of work to be used in your small or large-scale migration to AWS.

In this engagement, we will assess a diverse range of information to help you form your migration execution plan, to include recommendations in the following areas:

- Existing data center and cloud virtual architectures
- Operations models and processes
- Security, risk, and compliance
- Organizational and people readiness
- Applications portfolio scope
- Migration experience processes and migration tools
- Migration business cases
- Migration plans

AWS MIGRATION READINESS AND PLANNING (MRP)

At the onset of the AWS MRP services, our team will kick-off the engagement with a review of the MRP project plan, resource allocation and logistics. Key stakeholders from DHS, AWS, and Peraton will be present and the collective team will review and discuss the activities listed below and identify the team members who will lead or participate in each activity. The outputs from the MRA will be used to confirm that all parties are properly aligned.

The MRP engagement can, but is not limited to, deep dive activities to formally develop deliverables across the following modules:

- Migration business case
- Migration scope discovery
- Financial analysis
- Cost optimization
- Application portfolio discovery and planning
- Skills and center of excellence
- Security and compliance
- Enterprise security strategy accelerator
- Cloud security playbook
- Virtual data center
- Cloud operating model
- Cloud migration pilots

AWS MRP ACTIVITIES

Migration Business Case

Document drivers, goals, and objectives into a written DHS business case. Together, we will identify what the success criteria, and methods for measurement of those criteria, will be for your migration.

Migration Scope Discovery

Develop a scope of input details and build an initial mapping of migration patterns that will be used to determine staffing models, discovery and migration tool selection.

Financial Analysis

Develop financial models using outputs from the scope discovery and business case activities, that reflect both the estimated cost to migrate and the expected AWS usage costs for the selected applications for up to a three-year forecast.

Cost Optimization

Develop a cost optimization strategy. Application portfolio discovery and planning Identify applications in your portfolio that are cloud-ready, untethered, and high-value; as well as applications that may not be immediately ready for migration. We will then build a planned approach to complete the inventory dataset.

Skills and Center of Excellence

Evaluate and provide a gap analysis of any existing experience and skills in your organization related to AWS services. We'll help you in building or improving upon, the structure of a Center of Excellence for AWS Services.

Security and Compliance

Take a deep dive into the AWS shared responsibility security model. AWS will provide your team with information on using AWS services to help you with your compliance needs and explore examples that detail the security lifecycle of a workload migration specific to you.

Enterprise Security Strategy Accelerator

Develop a concise cloud security strategy roadmap and plan for implementation and governance.

Cloud Security Playbook

Develop a written reference guide for execution of security and audit tasks utilizing AWS services.

Virtual Data Center (AWS Landing Zones)

Plan for future state AWS cloud and network architecture designs. Review third-party assets to determine tools to be carried forward, and if new tools are required.

Cloud Operating Model

Evaluate current DHS operations model and document an AWS future-state operations model, function, and organization.

Cloud Migration Pilots

Identify up to 10 application candidates to be used as "pilot migration" use cases and migrate up to five application workloads to AWS.

CONTACT US

For more information, scan the QR code located at the bottom of this page or contact Darryl Eadi, deadi@peraton.com.